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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/534,266	10/13/2005	Samuel I Stupp	NANO 107 US2 (NU 22092)	1005		
62249 BENET GROU	7590 08/11/200 P LLC	EXAMINER				
C/O INTELLEY	·	LUKTON, DAVID				
P.O. BOX 52050 MINNEAPOLIS, MN 55402			ART UNIT	PAPER NUMBER		
				1654		
			MAIL DATE	DELIVERY MODE		
			08/11/2008	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/534,266	STUPP ET AL.				
Office Action Summary	Examiner	Art Unit				
	DAVID LUKTON	1654				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. lely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>07 M</u>	arch 2008.					
	action is non-final.					
3) Since this application is in condition for allowar		secution as to the merits is				
closed in accordance with the practice under E	·					
Disposition of Claims						
4)⊠ Claim(s) <u>1-9,13-20,22-25 and 29-36</u> is/are pending in the application.						
	4a) Of the above claim(s) <u>2-4,18-20 and 30-32</u> is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>1,5-9,16,17,22-25 and 33-36</u> is/are allowed.						
6)⊠ Claim(s) <u>13-15 and 29</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
<u> </u>	priority under 35 LLS C & 110(a)	(d) or (f)				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
,— ,— ,—						
	1. Certified copies of the priority documents have been received.					
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)	Λ. □	(DTO 440)				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)					
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application						
Paper No(s)/Mail Date 6) Other:						

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A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 3/7/08 has been entered.

Pursuant to the response filed 3/7/08, several claims have been amended. Claims 1-9, 13-20, 22-25, 29-36 are now pending. Claims 5, 13-16, 29, 33-36 are now rejoined with the elected group. Claims 1, 5-9, 13-17, 22-25, 29, 33-36 are examined in this Office action; claims 2-4, 18-20, 30-32 remain withdrawn.

Applicants' arguments filed 3/7/08 have been considered and found persuasive. Claims 13-15 and 29 are now rejected under §112-2nd paragraph. Claims 1, 5-9, 16, 17, 22-25, 33-36 are characterized as allowable at the present time.

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Claim 15 is objected to because of a minor typographical error. In the second-to-last line, the following is recited: "administering **and** effective amount".

Here, "and" should be -- an --.

There is another matter regarding claim 15. In the last line of the claim, it is implied that "sites" of patients have needs. The examiner, however, would disagree. Patients can certainly have needs, but sites do not.

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Claims 13-15, 29 are rejected under 35 U.S.C. §112 second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- Claim 13 is drawn to a method of making a micelle from a triblock bola amphiphile, wherein the structure of the bola amphiphile is confined to certain structural parameters. However, the method calls for "making a ... solution of a **suitable** bola amphiphile". Thus, claim 13 encompasses the possibility of taking a bola amphiphile of any size, shape or description, and merely by combining it with a pHaltering solution, that bola amphiphile becomes converted to the triblock bola ampiphile with the confined structural parameters. However, the claim does not make clear how this transformation might be effected. The same issue applies in the case of claim 29.
- Claim 14 is drawn to a method of encapsulating a therapeutic "treatment". While one can encapsulate a therapeutic agent, or a composition that contains a therapeutic agent, it is not evident how one can encapsulate the act of treating a patient.
- Claim 15 recites (second-to-last line), "administering [an] effective amount of the ... agent". However, the claim is indefinite as to the objective of the "effective amount".

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Lukton whose telephone number is 571-272-0952. The examiner can normally be reached Monday-Friday from 9:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang, can be reached at (571)272-0562. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-1600.

/David Lukton/

Primary Examiner, Art Unit 1654